Improvements to roads and drains of Kodigehalli
A.K. Colony in ward no. 8 kodigehalli

EMB

First and Final Bill

Measurement Sheet

BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

FIRST AND FINAL BILL

Name Of Work	Improvements to roads and drains of Kodigehalli A.K. Colony in ward no. 8 kodigehalli
Estimated Cost	Rs. 75.00 Lakhs
Job Number	008-20-000001
Head of Account	P3727 SC-SP/TSP Mukyamantrigala Nava Bengaluru Yojane
Name Of Agency	Executive Engineer, Karnataka Rural Infrastructure development Ltd,
Ref No	BBMP/EE/BTP/WO/157/2019-20
Measurements taken on :	30-12-2020

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.1		Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Each							
		Vide Total executed Quantity from premeasuremet Page no. 1						2.00		
								Total executed Qty	2.00		
								Now to be paid	2.00	1938.46	3877.00
Item No.2		Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 0 to 50 m .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
		0 to 50m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 2						100.00		
								Total executed Qty	100.00		
								Now to be paid	100.00	315.18	31518.00
Item No.3		Do 50 to 100m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 3						100.00		
								Total executed Qty	100.00		
								Now to be paid	100.00	412.00	41200.00
Item No.4		Do 100 to 150m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 4						100.00		
								Total executed Qty	100.00		
								Now to be paid	100.00	458.35	45835.00

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer, R.T. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer

Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore

Assistant Executive Engineer

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.5		Do 150 to 200m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 5						100.00		
							Total executed Qty	100.00		
							Now to be paid	100.00	484.10	48410.00
Item No.6		Do 200 to 250m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 6						100.00		
							Total executed Qty	100.00		
							Now to be paid	100.00	560.32	56032.00
Item No.7		Do 250 to 300m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 7						100.00		
							Total executed Qty	100.00		
							Now to be paid	100.00	600.49	60049.00
Item No.8		Do 300 to 350m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 8						100.00		
							Total executed Qty	100.00		
							Now to be paid	100.00	640.66	64066.00
Item No.9		Do 350 to 375m								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 9						50.00		
							Total executed Qty	50.00		
							Now to be paid	50.00	698.07	34904.00
Item No.10		Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 10						108.00		
							Total executed Qty	108.00		
							Now to be paid	108.00	1325.00	143100.00
Item No.11		Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. - 250mm dias..complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 11						24.00		
							Total executed Qty	24.00		
							Now to be paid	24.00	2175.12	52203.00

PRASAD CONSULTANTS BANGALORE

Contractor

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.12		Providing MS Casing pipe collars complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Nos							
		Vide Total executed Quantity from premeasuremet Page no. 12						18.00		
							Total executed Qty	18.00		
							Now to be paid	18.00	150.00	2700.00
Item No.13		Providing 175mm dia ms casing cap .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Nos							
		Vide Total executed Quantity from premeasuremet Page no. 13						2.00		
							Total executed Qty	2.00		
							Now to be paid	2.00	100.00	200.00
Item No.14		Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings..complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Unit							
		Vide Total executed Quantity from premeasuremet Page no. 14						2.00		
							Total executed Qty	2.00		
							Now to be paid	2.00	72126.00	144252.00
Item No.15		Providing and fixing to wall celling and floor glavanised/ mild steel tubes (medium grade 1.27 kg /mt) B class 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications..complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 15						642.00		
							Total executed Qty	642.00		
							Tender Quantity	640.00		
							Quantity Limited To	640.00	542.72	347341.00
Item No.16		Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and Powder coated extrued PVC sheathed suitable for working voltage upto 1100 Volts as per IS - 694 ; 1990 AND CONFORMING TO gtp OFGROUP 3cx 6.0 Sqm KPWD .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 16						1284.00		
							Total executed Qty	1284.00		
							Tender Quantity	1280.00		
							Quantity Limited To	1280.00	188.70	241536.00

PRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer, R.R. Nagar Sub-division, RIDL, BBMP, Bangalore

Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.17		Labour charges for erection of new / repaired submersible pumpset along with gi pipes inculding transportion each length .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Nos							
		Vide Total executed Quantity from premeasuremet Page no. 17						107.00		
							Total executed Qty	107.00		
							Tender Quantity	100.00		
							Quantity Limited To	100.00	88.00	8800.00
Item No.18		Supplying and flush polished wood board with out front frount plank made of not less than 15mm thick plank after due groove cutting Finishing with necessary on fixing the same to the wall using tapered inverted wooden plugs screws etc.,.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Each							
		Vide Total executed Quantity from premeasuremet Page no. 18						2.00		
							Total executed Qty	2.00		
							Now to be paid	2.00	302.00	604.00
Item No.19		Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTRUDED INNER SHEATHRD galvnised steel,stirp confirming IS 3975;1990 AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group. (4 core 16 Sqmm).complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 19						70.00		
							Total executed Qty	70.00		
							Now to be paid	70.00	140.40	9828.00
Item No.20		Labour charges for laying of 1.1 K.V class UG cable, P No. 61 / I No. 7.8.1 In existing trencg/duct 6Sqmm to 16 Sqmm) .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 20						70.00		
							Total executed Qty	70.00		
							Now to be paid	70.00	10.80	756.00
Item No.21		Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc.,.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 21						70.00		
							Total executed Qty	70.00		
							Tender Quantity	60.00		
							Quantity Limited To	60.00	117.00	7020.00
Item No.22		Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 22						6.00		
							Total executed Qty	6.00		
							Now to be paid	6.00	345.00	2070.00

PRAPRASAD CONSULTANTS BANGALORE

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.23		Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Nos							
		Vide Total executed Quantity from premeasuremet Page no. 23						2.00		
							Total executed Qty	2.00		
							Now to be paid	2.00	280.00	560.00
Item No.24		Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Nos							
		Vide Total executed Quantity from premeasuremet Page no. 24						2.00		
							Total executed Qty	2.00		
							Now to be paid	2.00	2727.00	5454.00
Item No.25		Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Each							
		Vide Total executed Quantity from premeasuremet Page no. 25						6.00		
							Total executed Qty	6.00		
							Now to be paid	6.00	360.00	2160.00
Item No.26		Supplying and fixing of heavy duty glands for ug cable 1.1 kv etc., .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Each							
		Vide Total executed Quantity from premeasuremet Page no. 26						12.00		
							Total executed Qty	12.00		
							Now to be paid	12.00	86.00	1032.00
Item No.27		Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 32 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Each							
		Vide Total executed Quantity from premeasuremet Page no. 27						4.00		
							Total executed Qty	4.00		3094.00
							Now to be paid	4.00	1547.00	6188.00
Item No.28		Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Sqmm							
		Vide Total executed Quantity from premeasuremet Page no. 28						75300.00		
							Total executed Qty	75300.00		
							Now to be paid	75300.00	0.33	24849.00

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer, Rajajinagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer, Kodigehalli Sub-Division, BBMP, Bangalore

Assistant Executive Engineer

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.29		Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Each							
		Vide Total executed Quantity from premeasuremet Page no. 29						2.00		
							Total executed Qty	2.00		
							Now to be paid	2.00	1409.80	2820.00
Item No.30		Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc..complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			No							
		Vide Total executed Quantity from premeasuremet Page no. 30						4.00		
							Total executed Qty	4.00		
							Now to be paid	4.00	222.60	891.00
Item No.31		Gate value 50 mm nominal bore gun metal .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			No							
		Vide Total executed Quantity from premeasuremet Page no. 31						4.00 6.00		
							Total executed Qty	4.00	6.00	8390.00
							6.00 Now to be paid	4.00	1398.31	5594.00
Item No.32		Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			No							
		Vide Total executed Quantity from premeasuremet Page no. 32						2.00		
							Total executed Qty	2.00		
							Now to be paid	2.00	10000.00	20000.00
Item No.33		Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods complete as per specifications..complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Cum							
		Vide Total executed Quantity from premeasuremet Page no. 33						54.00		
							Total executed Qty	54.00		
							Now to be paid	54.00	263.94	14253.00
Item No.34		Sand Filling in Foundation Trenches as per Drawing & Technical SpecificationMORTH .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Cum							
		Vide Total executed Quantity from premeasuremet Page no. 34						9.00		
							Total executed Qty	9.00		
							Now to be paid	9.00	2183.60	19653.00

Assistant Executive Engineer, R.R. Nagar Sub-division, KRIDL, BBMP, Bangalore
Contractor

RADHAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore
Assistant Executive Engineer

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.35		Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 50mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing.complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Rmtr							
		Vide Total executed Quantity from premeasuremet Page no. 35						80.00		
							Total executed Qty	80.00		
							Now to be paid	80.00	249.10	19928.00
Item No.36		Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. .complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Cum							
		Vide Total executed Quantity from premeasuremet Page no. 36						45.00		
							Total executed Qty	45.00		
							Now to be paid	45.00	80.56	3626.00
Item No.38		BESCOM CHARGES								
as per Estimate		2nd Cross maruthi Nagar								
		RR No: C9WS066								
		Bescom Bill Vide Recepit No :495005505379 Date: 10-11-2020	Rs	1				1.00	5490	5490.00
		Bill Vide Landis+Gyr limited Bill No: LRP/20/01568 Date:05/12/20	Rs	1				1.00	1730.67	1730.67
		BB Nagar NTI Layout Park								
		RR No: C9WS068								
		Bescom Bill Vide Recepit No :993129370561 Date: 16-12-2020	Rs	1				1.00	5860	5860.00
		Bill Vide Landis+Gyr limited Bill No: YNK/20/09350 Date: 22/12/20	Rs	1				1.00	1730.67	1730.67
										14811.34
Item No.37		Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Cum							
		Vide Total executed Quantity from premeasuremet Page no. 37 to 38						419.33		
							TOTAL	419.33		
							Quantity Limited To	414.90	189.74	78724.00
Item No.38		Providing and filling in foundation with granite / trap broken metal 100mm, and downsize and with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all leaed and lift.,, complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Cum							
		Vide Total executed Quantity from premeasuremet Page no. 39 to 40						54.64		
							TOTAL	54.64		
							Quantity Limited To	53.73	2574.74	138341.00

DR. PRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer, R.T. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer

Assistant Executive Engineer Kodigehalli Sub Division

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	
Item No.39		Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs using 40... size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Cum							
		Vide Total executed Quantity from premeasuremet Page no. H1 to H2						136.70		
							TOTAL	136.70		
							Quantity Limited To	135.85	5408.12	734694.00
Item No.40		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Sqm							
		Vide Total executed Quantity from premeasuremet Page no. H3 to H4						1420.92		
							TOTAL	1420.92	379.48	539211.00
Item No.41		Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications and as per the directions of the Engineer-in-charge of the work								
			Tonne							
		Vide Total executed Quantity from premeasuremet Page no. H5						7.87		592263.88
							TOTAL	7.87	75255.76	592373.00
Item No.42		Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. complete as per specifications and as per the directions of the Engineer-in-charge of the work								
		Bottom Raft								
		Dev in National School Road								
		LHS								
0	15		Cum	1	15.00	0.90	0.15	2.03		
15	30		Cum	1	15.00	0.90	0.15	2.03		
30	45		Cum	1	15.00	0.90	0.15	2.03		
45	60		Cum	1	15.00	0.90	0.15	2.03		
60	71.9		Cum	1	11.90	0.90	0.15	1.61		
71.9	79.1	No Work			0.00					
79.1	93.9	BS Slab Drain	Cum	0	0.00	0.90	0.15	0.00		
93.9	117.4	No Work			0.00					
117.4	121.9		Cum	1	4.50	0.90	0.15	0.61		
121.9	123.3		Cum	1	1.40	0.90	0.15	0.19		
123.3	142.7		Cum	1	19.40	0.90	0.15	2.62		
		RHS								
0	15		Cum	1	15.00	1.00	0.15	2.25		
15	30		Cum	1	15.00	1.00	0.15	2.25		
30	45		Cum	1	15.00	1.00	0.15	2.25		
45	60		Cum	1	15.00	1.00	0.15	2.25		
60	75		Cum	1	15.00	1.00	0.15	2.25		
75	90.4		Cum	1	15.40	1.00	0.15	2.31		
90.4	102.4	Culvert			0.00					
102.4	112.4		Cum	1	10.00	0.90	0.15	1.35		
112.4	127.4		Cum	1	15.00	0.90	0.15	2.03		
127.4	146.5		Cum	1	19.10	0.90	0.15	2.58		
		Sai Krupa hospital Road								
		LHS								
0	15		Cum	1	15.00	0.90	0.15	2.03		

34.66

Executive Engineer

Assistant Executive Engineer, R.R. Sub-division, KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Executive Engineer

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
From	To				(m)	(m)	(m)		RS.	RS.
15	18.2		Cum	1	3.20	0.90	0.15	0.43		
		RHS								
0	15		Cum	1	15.00	0.90	0.15	2.03		
15	20.1		Cum	1	5.10	0.90	0.15	0.69		
		Smashana Road								
		LHS								
0	15		Cum	1	15.00	0.90	0.15	2.03		
15	28.4		Cum	1	13.40	0.90	0.15	1.81		
28.4	64.7	No Work			0.00					
64.7	75		Cum	1	10.30	0.90	0.15	1.39		
75	91.1		Cum	1	16.10	0.90	0.15	2.17		
91.1	106.1		Cum	1	15.00	0.90	0.15	2.03		
106.1	121.1		Cum	1	15.00	0.90	0.15	2.03		
121.1	131.1		Cum	1	10.00	0.90	0.15	1.35		
131.1	137.6	Culvert			0.00					
137.6	152.6		Cum	1	15.00	0.90	0.15	2.03		
152.6	167.5		Cum	1	14.90	0.90	0.15	2.01		
		Side Wall								
		Dev in National School Road								
		LHS								
0	15		Cum	2	15.00	0.15	0.90	4.05		
15	30		Cum	2	15.00	0.15	0.90	4.05		
30	45		Cum	2	15.00	0.15	0.90	4.05		
45	60		Cum	2	15.00	0.15	0.90	4.05		
60	71.9		Cum	2	11.90	0.15	0.90	3.21		
71.9	79.1	No Work			0.00					
79.1	93.9	BS Slab Drain			0.00					
93.9	117.4	No Work			0.00					
117.4	121.9		Cum	2	4.50	0.15	0.90	1.22		
121.9	123.3		Cum	2	1.40	0.15	0.90	0.38		
123.3	142.7		Cum	2	19.40	0.15	0.90	5.24		
		RHS								
0	15		Cum	2	15.00	0.15	0.90	4.05		
15	30		Cum	2	15.00	0.15	0.90	4.05		
30	45		Cum	2	15.00	0.15	0.90	4.05		
45	60		Cum	2	15.00	0.15	0.90	4.05		
60	75		Cum	2	15.00	0.15	0.90	4.05		
75	90.4		Cum	2	15.40	0.15	0.90	4.16		
90.4	102.4	Culvert			0.00					
102.4	112.4		Cum	2	10.00	0.15	0.90	2.70		
112.4	127.4		Cum	2	15.00	0.15	0.90	4.05		
127.4	146.5		Cum	2	19.10	0.15	0.90	5.16		
		Sai Krupa hospital Road								
		LHS								
0	15		Cum	2	15.00	0.15	0.90	4.05		
15	18.2		Cum	2	3.20	0.15	0.90	0.86		
		RHS								
0	15		Cum	2	15.00	0.15	0.90	4.05		
15	20.1		Cum	2	5.10	0.15	0.90	1.38		
		Smashana Road								
		LHS								
0	15		Cum	2	15.00	0.15	0.90	4.05		
15	28.4		Cum	2	13.40	0.15	0.90	3.62		
28.4	64.7	No Work		2	0.00					
64.7	75		Cum	2	10.30	0.15	0.90	2.78		
75	91.1		Cum	2	16.10	0.15	0.90	4.35		
91.1	106.1		Cum	2	15.00	0.15	0.90	4.05		
106.1	121.1		Cum	2	15.00	0.15	0.90	4.05		

Executive Engineer

C&Re 30/12/2020 Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore

C&Re 30/12/2020 Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore

C&Re 30/12/2020 Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore

115.76

Assistant Executive Engineer R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer Kodigehalli Sub Division BBMP, Bangalore

Assistant Executive Engineer

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
From	To				(m)	(m)	(m)		RS.	RS.
121.1	131.1		Cum	2	10.00	0.15	0.90	2.70		
131.1	137.6	Culvert			0.00					
137.6	152.6		Cum	2	15.00	0.15	0.90	4.05		
152.6	167.5		Cum	2	14.90	0.15	0.90	4.02		
							TOTAL	161.21		
							Quantity Limited To	161.19	5770.64	930170.00
Item No.43		Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,complete as per specifications and as per the directions of the Engineer-in-charge of the work (Data Rate)								
		Dev in National School Road								
		LHS								
0	15		Sqm	1	15.00	0.90		13.50		
15	30		Sqm	1	15.00	0.90		13.50		
30	45		Sqm	1	15.00	0.90		13.50		
45	60		Sqm	1	15.00	0.90		13.50		
60	71.9		Sqm	1	11.90	0.90		10.71		
71.9	79.1	No Work			0.00					
79.1	93.9	BS Slab Drain			0.00					
93.9	117.4	No Work			0.00					
117.4	121.9		Sqm	1	4.50	0.90		4.05		
121.9	123.3		Sqm	1	1.40	0.90		1.26		
123.3	142.7		Sqm	1	19.40	0.90		17.46		
		RHS								
0	15		Sqm	1	15.00	0.90		13.50		
15	30		Sqm	1	15.00	0.90		13.50		
30	45		Sqm	1	15.00	0.90		13.50		
45	60		Sqm	1	15.00	0.90		13.50		
60	75		Sqm	1	15.00	0.90		13.50		
75	90.4		Sqm	1	15.40	0.90		13.86		
90.4	102.4	Culvert			0.00					
102.4	112.4		Sqm	1	10.00	0.90		9.00		
112.4	127.4		Sqm	1	15.00	0.00		0.00		
127.4	146.5		Sqm	1	19.10	0.00		0.00		
		Sai Krupa hospital Road								
		LHS								
0	15		Sqm	1	15.00	0.90		13.50		
15	18.2		Sqm	1	3.20	0.90		2.88		
		RHS								
0	15		Sqm	1	15.00	0.90		13.50		
15	20.1		Sqm	1	5.10	0.90		4.59		
		Smashana Road								
		LHS								
0	15		Sqm	1	15.00	0.90		13.50		
15	28.4		Sqm	1	13.40	0.90		12.06		
28.4	64.7	No Work			0.00					
64.7	75		Sqm	1	10.30	0.90		9.27		
75	91.1		Sqm	1	16.10	0.90		14.49		
91.1	106.1		Sqm	1	15.00	0.90		13.50		
106.1	121.1		Sqm	1	15.00	0.90		13.50		
121.1	131.1		Sqm	1	10.00	0.90		9.00		
131.1	137.6	Culvert			0.00					
137.6	152.6		Sqm	1	15.00	0.90		13.50		
152.6	167.5		Sqm	1	14.90	0.90		13.41		
		Impact Collage Opposite								
0	32		Sqm	1	32.00	0.90		28.80		
43.5	57	32 to 43.5 Culvert	Sqm	1	13.50	0.90		12.15		
57	60		Sqm	1	3.00	0.90		2.70		
							TOTAL	368.19		
							Quantity Limited To	358.20	2337.00	837114.00

Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
R.R. Sub-division,
KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Executive Engineer

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
From	To				(m)	(m)	(m)		RS.	RS.
Item No.44		Providing and fixing precast solid cement concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete as per specifications and as per the directions of the Engineer-in-charge of the work								
		Dev in National School Road								
		LHS								
0	15		m	1	15.00			15.00		
15	30		m	1	15.00			15.00		
30	45		m	1	15.00			15.00		
45	60		m	1	15.00			15.00		
60	71.9		m	1	11.90			11.90		
71.9	79.1	No Work			0.00					
79.1	93.9	BS Slab Drain			0.00					
93.9	117.4	No Work			0.00					
117.4	121.9		m	1	4.50			4.50		
121.9	123.3				1.40					
123.3	142.7		m	1	19.40			19.40		
		RHS								
0	15		m	1	15.00			15.00		
15	32		m	1	17.00			17.00		
32	36.2		m	1	4.20			4.20		
36.2	60		m	1	23.80			23.80		
60	75		m	1	15.00			15.00		
75	90.4		m	1	15.40			15.40		
90.4	102.4	Culvert			12.00					
102.4	112.4	No Kerb	m	0	10.00			0.00		
112.4	127.4	No Kerb	m	1	15.00			0.00		
127.4	146.5	No Kerb	m	1	19.10			0.00		
		Sai Krupa hospital Road								
		LHS								
0	15		m	1	15.00			15.00		
15	18.2		m	1	3.20			3.20		
		RHS								
0	15		m	1	15.00			15.00		
15	20.1		m	1	5.10			5.10		
		Smashana Road								
		LHS								
0	15		m	1	15.00			15.00		
15	28.4		m	1	13.40			13.40		
28.4	64.7	No Work			0.00					
64.7	75		m	1	10.30			10.30		
75	91.1		m	1	16.10			16.10		
91.1	106.1		m	1	15.00			15.00		
106.1	121.1		m	1	15.00			15.00		
121.1	131.1		m	1	10.00			10.00		
131.1	137.6	Culvert			0.00					
137.6	152.6		m	1	15.00			15.00		
152.6	167.5		m	1	14.90			14.90		
		Hebbala Sarovara Layout								
		LHS								
0	15		m	1	15.00			15.00		
15	30		m	1	15.00			15.00		
30	45		m	1	15.00			15.00		
45	60		m	1	15.00			15.00		
60	75		m	1	15.00			15.00		
75	90.9		m	1	15.90			15.90		
					Sub Total			440.10		
		Number Of Kerb	No		440.10/0.45=978			978.00		
							TOTAL	978.00		
							Quantity Limited To	884.00	477.00	421668.00

Assistant Executive Engineer, RR Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore

Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore

Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore

PRAPRASAD CONSULTANT BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.45		Providing and applying ready mix priming coat over concrete / masonry / asbestos cement shet / plastered surfaces including preparing the surfacwe after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sannd papering including cost of materials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work								
		Dev in National School Road								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	30		Sqm	1	15.00		0.45	6.75		
30	45		Sqm	1	15.00		0.45	6.75		
45	60		Sqm	1	15.00		0.45	6.75		
60	71.9		Sqm	1	11.90		0.45	5.36		
71.9	79.1	No Work			0.00					
79.1	93.9	BS Slab Drain			0.00					
93.9	117.4	No Work			0.00					
117.4	121.9		Sqm	1	4.50		0.45	2.03		
121.9	123.3				1.40					
123.3	142.7		Sqm	1	19.40		0.45	8.73		
		RHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	32		Sqm	1	17.00		0.45	7.65		
32	36.2		Sqm	1	4.20		0.45	1.89		
36.2	60		Sqm	1	23.80		0.45	10.71		
60	75		Sqm	1	15.00		0.45	6.75		
75	90.4		Sqm	1	15.40		0.45	6.93		
90.4	102.4	Culvert			12.00					
102.4	112.4	No Kerb			10.00					
112.4	127.4	No Kerb			15.00					
127.4	146.5	No Kerb			19.10					
		Sai Krupa hospital Road								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	18.2		Sqm	1	3.20		0.45	1.44		
		RHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	20.1		Sqm	1	5.10		0.45	2.30		
		Smashana Road								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	28.4		Sqm	1	13.40		0.45	6.03		
28.4	64.7	No Work			0.00					
64.7	75		Sqm	1	10.30		0.45	4.64		
75	91.1		Sqm	1	16.10		0.45	7.25		
91.1	106.1		Sqm	1	15.00		0.45	6.75		
106.1	121.1		Sqm	1	15.00		0.45	6.75		
121.1	131.1		Sqm	1	10.00		0.45	4.50		
131.1	137.6	Culvert			0.00					
137.6	152.6		Sqm	1	15.00		0.45	6.75		
152.6	167.5		Sqm	1	14.90		0.45	6.71		
		Hebbala Sarovara Layout								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	30		Sqm	1	15.00		0.45	6.75		
30	45		Sqm	1	15.00		0.45	6.75		
45	60		Sqm	1	15.00		0.45	6.75		
60	75		Sqm	1	15.00		0.45	6.75		
75	90.9		Sqm	1	15.90		0.45	7.16		
							TOTAL	198.05		
							Quantity Limited To	179.10	39.22	7025.00

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer,
R.T.Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Executive Engineer

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.46		Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfadces with flat waall paint of approved brand to give even shade after cleaning the surfacew of all dirt, dust and other foreign matter and sand papering including cost of amaterials, labour complete as per specifications and as per the directions of the Engineer-in-charge of the work								
		Dev in National School Road								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	30		Sqm	1	15.00		0.45	6.75		
30	45		Sqm	1	15.00		0.45	6.75		
45	60		Sqm	1	15.00		0.45	6.75		
60	71.9		Sqm	1	11.90		0.45	5.36		
71.9	79.1	No Work			0.00					
79.1	93.9	BS Slab Drain			0.00					
93.9	117.4	No Work			0.00					
117.4	121.9		Sqm	1	4.50		0.45	2.03		
121.9	123.3				1.40					
123.3	142.7		Sqm	1	19.40		0.45	8.73		
		RHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	32		Sqm	1	17.00		0.45	7.65		
32	36.2		Sqm	1	4.20		0.45	1.89		
36.2	60		Sqm	1	23.80		0.45	10.71		
60	75		Sqm	1	15.00		0.45	6.75		
75	90.4		Sqm	1	15.40		0.45	6.93		
90.4	102.4	Culvert			12.00					
102.4	112.4	No Kerb			10.00					
112.4	127.4	No Kerb			15.00					
127.4	146.5	No Kerb			19.10					
		Sai Krupa hospital Road								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	18.2		Sqm	1	3.20		0.45	1.44		
		RHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	20.1		Sqm	1	5.10		0.45	2.30		
		Smashana Road								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	28.4		Sqm	1	13.40		0.45	6.03		
28.4	64.7	No Work			0.00					
64.7	75		Sqm	1	10.30		0.45	4.64		
75	91.1		Sqm	1	16.10		0.45	7.25		
91.1	106.1		Sqm	1	15.00		0.45	6.75		
106.1	121.1		Sqm	1	15.00		0.45	6.75		
121.1	131.1		Sqm	1	10.00		0.45	4.50		
131.1	137.6	Culvert			0.00					
137.6	152.6		Sqm	1	15.00		0.45	6.75		
152.6	167.5		Sqm	1	14.90		0.45	6.71		
		Hebbala Sarovara Layout								
		LHS								
0	15		Sqm	1	15.00		0.45	6.75		
15	30		Sqm	1	15.00		0.45	6.75		
30	45		Sqm	1	15.00		0.45	6.75		
45	60		Sqm	1	15.00		0.45	6.75		
60	75		Sqm	1	15.00		0.45	6.75		
75	90.9		Sqm	1	15.90		0.45	7.16		
							TOTAL	198.05		
							Quantity Limited To	179.10	90.10	16137.00

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

PRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer
RR Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Executive Engineer

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate RS.	Amount RS.
Item No.47		Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work								
		Sai Krupa hospital Road								
0	15		Cum	1	15.00	8.65	0.15	19.46		
15	28.9		Cum	1	13.90	8.15	0.15	16.99		
		For pipeline cut Portion								
		Cross Road								
0	15		Cum	1	15.00	0.70	0.15	1.58		
15	30		Cum	1	15.00	0.75	0.15	1.69		
30	45		Cum	1	15.00	0.80	0.15	1.80		
		Cross Road								
0	15		Cum	1	15.00	0.75	0.15	1.69		
15	30		Cum	1	15.00	0.65	0.15	1.46		
30	37		Cum	1	7.00	0.75	0.15	0.79		
		Smashana Road								
0	15		Cum	1	15.00	4.65	0.15	10.46		
15	30		Cum	1	15.00	4.50	0.15	10.13		
30	45		Cum	1	15.00	4.60	0.15	10.35		
45	52.2		Cum	1	7.20	5.25	0.15	5.67		
							TOTAL	82.06	5647.68	463465.00
Item No.48		Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift. complete as per specifications and as per the directions of the Engineer-in-Charge of the work								
		Sai Krupa hospital Road								
0	15		Sqm	1	15.00	8.65		129.75		
15	28.9		Sqm	1	13.90	8.15		113.29		
		Smashana Road								
0	15		Sqm	1	15.00	4.65		69.75		
15	30		Sqm	1	15.00	4.50		67.50		
30	45		Sqm	1	15.00	4.60		69.00		
45	52.2		Sqm	1	7.20	5.25		37.80		
							TOTAL	487.09	72.08	35110.00
Item No.49		Providing groove cutting for width of 5mm to 10mm and depth 80mm -100mm including cost of cutting machine , generater &HOM of machinery, including cost of blade , coolant etc ., including cleaning of groove &providing sand and hot bitumen fillars and filler metal etc., including cost of conveyance of all materials., labour lead and lift charges and all other incident charges as per drawing. complete as per specifications and as per the directions of the Engineer-in-charge of the work								
		Sai Krupa hospital Road	Rmt	2	8.40			16.80		
		Smashana Road	Rmt	2	4.75			9.50		
							TOTAL	26.30		
							Quantity Limited To	26.00	143.10	3721.00
Item No.50		Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Kms complete as per specifications and as per the directions of the Engineer-in-Charge of the work								
			Cum							
		Vide Total executed Quantity from premeasuremet Page no. 46 Item no. 37						356.43		
							TOTAL	356.43		
							Quantity Limited To	352.66	87.56	30878.00
									Sub Total	6316751.34
									Add 12% GST for Only PWD SR 2018-19 items	758010.16
									Add 4% KRIDL Charges	252670.05
									Grand Total	7327431.55

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Executive Engineer
R.R. Nagar Sub-division,
KRIDL, BBMP, Bangalore

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore
Assistant Executive Engineer